IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A water-impermeable flexible polyurethane foam obtained by:

reacting a polyol component, which comprises at least one hydrophobic polyol, with at least one polyisocyanate component in the presence of a foaming agent,:

wherein:

the polyol component comprises at least one hydrophobic polyol;

the foam characterized in that it has a compression force of less than or equal to 12 kPa for 50% compression; and

in that the <u>a</u> molar ratio of the isocyanate functional groups to the <u>a</u> total of the alcohol functional groups and reactive functional groups (the index) is less than 0.90.

Claim 2 (Currently Amended): The polyurethane foam as claimed in claim 1, eharacterized by a wherein the compression force of is from around 8 to 12 kPA for 50% compression.

Claim 3 (Currently Amended): The polyurethane foam as claimed in claim 1, characterized in that it-wherein the foam has a density not exceeding 150 kg/m³.

Claim 4 (Currently Amended): The polyurethane foam of claim 1, eharacterized in that-wherein at least one component from of the polyol component and the polyisocyanate component has a functionality strictly greater than 2.

Claim 5 (Currently Amended): The polyurethane foam of claim 1, characterized in that-wherein the isocyanate index is less than or equal to 0.85.

Claim 6 (Currently Amended): The polyurethane foam of claim 1, eharacterized in that-wherein the polyol component reacts is reacted with the polyisocyanate component in the presence of a monofunctional alcohol or amine component.

Claim 7 (Currently Amended): The polyurethane foam of claim 1, eharacterized in that wherein the hydrophobic polyol has comprises a fatty hydrocarbon chain.

Claim 8 (Currently Amended): The polyurethane foam as claimed in claim 7, characterized in that wherein the hydrophobic polyol is derived from a fatty acid dimer.

Claim 9 (Currently Amended): The polyurethane foam of claim 1, eharacterized in that-wherein the polyisocyanate component comprises predominantly 4,4'-methylene-bis(phenylisocyanate) (4,4'MDI).

Claim 10 (Currently Amended): The polyurethane foam as claimed in claim 9, characterized in that wherein the polyisocyanate component contains comprises at least 30 mol% of the a 2,4'MDI isomer.

Claim 11 (Currently Amended): The polyurethane foam of claim 1, eharacterized in that-wherein the foaming agent comprises water.

Claim 12 (Currently Amended): The polyurethane foam of claim 1, characterized in that it—wherein the foam is obtained in the presence of at least one additive, additive having at least one reactive functional group that reacts with the polyisocyanate compound component or with the polyol compound component.

Claim 13 (Currently Amended): A process for manufacturing a-the polyurethane foam as claimed in claim 1, characterized in that it comprises comprising:

<u>preparing</u> a reaction mixture comprising the polyol component, the polyisocyanate component and the foaming agent is prepared;

casting the reaction mixture is cast on a conveyor belt; and

running the conveyor belt and the cast mixture are made to run through a crosslinking oven.

Claim 14 (Currently Amended): The process as claimed in claim 13, characterized in that further comprising:

depositing an upper protective film is deposited on the cast mixture,;

wherein running the conveyor belt and the cast mixture comprises running the conveyor belt and the cast mixture and the conveyor belt and the cast mixture coated with the upper protective film are made to run-through a the crosslinking oven.

Claim 15 (Currently Amended): The process of claim 14, eharacterized in that <u>further</u> comprising casting a lower protective film is placed beforehand on the conveyor belt <u>before</u> casting the reaction mixture on the conveyor belt.

Claim 16 (Currently Amended): The process of claim 15, characterized in that wherein at least one of the lower protective film or and the upper protective film is provided with comprises an adhesive on its face provided on a surface that contacts in contact with the reaction mixture.

Claim 17 (Currently Amended): The process of claim 15, characterized in that further comprising:

removing the lower protective film and/or the upper protective film; are removed and attaching a further another film provided with comprising an adhesive is attached to a free face surface of the foam strip.

Claim 18 (Currently Amended): A process for manufacturing a-the polyurethane foam as claimed in claim 1, characterized in that it comprises comprising:

<u>preparing</u> a reaction mixture comprising the polyol component, the polyisocyanate component and the foaming agent-is prepared;

<u>injection or casting</u> the reaction mixture is injected or cast in a closed or open mold; and

crosslinking the mixture is crosslinked in the mold.

Claim 19 (Canceled).

Claim 20 (Previously Presented): The polyurethane foam as claimed in claim 2, wherein the polyurethane foam has a density not exceeding 150 kg/m³.

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Claim 21 (Previously Presented): The polyurethane foam as claimed in claim 1, wherein the polyurethane foam has a density not exceeding 60 kg/m^3 .